

19970802.qrp v00_n806.qrs.970802

>From ???@??? Sun Aug 03 14:33:09 1997
Date: Sat, 2 Aug 1997 19:03:11 EDT
Subject: QRP-L digest 806
Message-Id: <97Aug2.190340edt.34920-54564+124@fidoi.cc.Lehigh.EDU>

QRP-L Digest 806

Topics covered in this issue include:

- 1) [24168] August NCS sked
by Paul Stroud <aa4xx@ipass.net>
- 2) [24169] CUSHCRAFT R7000 PROBLEM
by Mark Gilger <mgilger@concentric.net>
- 3) [24170] Re: CUSHCRAFT R7000 PROBLEM
by aa8yo@tir.com (aa8yo)
- 4) [24171] Bad QRN !!
by Joel Malman <malman@BBN.COM>
- 5) [24172] computer files..resolved
by mark.milburn@commonlink.com (Mark Milburn)
- 6) [24173] HW-9 Sold!
by Stephan Greene <sgreene@washsq.com>
- 7) [24174] Re: computer files..resolved
by n4oln@juno.com
- 8) [24175] Re: computer files
by n4oln@juno.com
- 9) [24176] Re: G4ZPY paddle
by John Moriarity <k6qq@SOCAL.WANet.com>
- 10) [24177] ARLB042 W1AW seeks 20 meter bulletin reports
by n4oln@juno.com
- 11) [24178] w1aw@arrl.org: ARLD033 DX news
by n4oln@juno.com
- 12) [24179] Re: Bad QRN !!
by n4oln@juno.com
- 13) [24180] Clips for chassis - Like those used on 40A
by ka8ddz <hynde@flash.net>
- 14) [24181] Re: 38S help!
by gsurrency@juno.com (Gary L L Surrency)
- 15) [24182] POOR MAN'S SWR
by ARDUJENSKI@aol.com
- 16) [24183] Re: S units vs DB
by k5zty@juno.com (WILLIAM A STIETENROTH)
- 17) [24184] Re: POOR MAN'S SWR
by Chris Trask <ctrask@primenet.com>
- 18) [24185] new call signs
by wj5o@juno.com
- 19) [24186] HWA-7-1 cases all gone.

- by Gary M - W2UX <MAIL4GARY@worldnet.att.net>
- 20) [24187] WTB: SST-20m
by Joel Malman <malman@BBN.COM>
- 21) [24188] surprise!
by af852@rgfn.epcc.Edu (William R Colbert)
- 22) [24189] 50/40/30 results de Mississippi
by Mike Duke <K5xu@cris.com>
- 23) [24190] MY ENCOUNTER WITH K3ETS
by Mike Duke <K5xu@cris.com>
- 24) [24191] Re: Railroad Tracks?
by Mike Duke <K5xu@cris.com>
- 25) [24192] AOL & Junk Mail !
by ROYGREGSON@aol.com
- 26) [24193] Junk Mail
by adams@chuck.dallas.sgi.com (Chuck Adams)
- 27) [24194] Colorado QRPers
by DYARNES@aol.com
- 28) [24195] Re: Bad QRN !!
by ARDUJENSKI@aol.com
- 29) [24196] RE: Bad QRN !!
by n4js@amsat.org
- 30) [24197] Long Island QRP Club needs help
by "Jeff Casey" <WB5GWB@sprynet.com>
- 31) [24198] "Ambassadors" for regional QRP clubs
by "Jeff Casey" <WB5GWB@sprynet.com>
- 32) [24199] SST- are they really gone?
by "ukii" <ukii@megsinet.net>
- 33) [24200] MFJ 969 tuner
by Larry Trullinger <kb0emb@swbell.net>
- 34) [24201] Re: Junk Mail
by Raventhorne <jelder@ix.netcom.com>
- 35) [24202] Bucketeteers CW Team Forming
by "Brian K. Short" <shortckt@primenet.com>
- 36) [24203] Micrometals.....
by n5inz@juno.com (John M Andrews)
- 37) [24204] Re: FOR SALE
by x5m7v7wl@coastalnet.com
- 38) [24205] Re: Railroad Tracks?
by Bob Roach <KE4QOK@worldnet.att.net>
- 39) [24206] Spokane hamfest bound
by The Boices <boice@bigfoot.com>
- 40) [24207] SST Mods requested
by W1LP@aol.com
- 41) [24208] 38S on the Air!
by n4js@amsat.org
- 42) [24209] Re: CUSHCRAFT R7000 PROBLEM
by w4bws@juno.com (Donald E Sanders)
- 43) [24210] Re: Colorado QRPers

- by Alan Kaul <kaul@netcom.com>
44) [24211] Code course
by Cleve Irby <cirby@bellsouth.net>
45) [24212] More 38S brag
by n4js@amsat.org
46) [24213] HELP
by kb0rol@juno.com (Bradley L Mugleston)
47) [24214] SST Mods
by n4so@juno.com (charles k brown)
48) [24215] CONTACT's 100 Jansky's/dBm's (long)
by Paul Harden <pharden@aoc.nrao.edu>
49) [24216] Spider antenna F.S.
by "Thomas J. Whalen" <whalen@swcp.com>

Date: Fri, 01 Aug 1997 20:12:58 -0400
From: Paul Stroud <aa4xx@ipass.net>
To: Bob Kellogg AE4IC <AE4IC@nr.infi.net>, "Gary O'Neil N3G0" <N3G0@amsat.org>,
Paul Stroud AA4XX <AA4XX@amsat.org>,
Randy Hargenrader WJ4P <randyh@harksystems.com>
Cc: klnet <klnet@acpub.duke.edu>, QRP-L <QRP-L@Lehigh.EDU>
Subject: [24168] August NCS sked
Message-ID: <33E27B8A.72DD@ipass.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi Gang,

Following is the Net Control schedule for the weekly Knightlite's Roundable for the month of August. We would welcome any interested QRP'ers to consider an occasional or regular stint as a NCS. It's a great way to meet members from throughout the Land.

The Roundtable meets each Sunday night on 3686.4 KHz, beginning at 9:30PM EDT local time (0130 UTC). This is an open net, with QRP'ers checking in from a number of call districts. We hope to hear you this coming Sunday night. The NCS will be using the KnightLite's call, WQ4RP.

Net Control Station

Aug 3	AA4XX	Paul	Raleigh,	NC
Aug 10	AE4IC	Bob	Greensboro,	NC
Aug 17	N3G0	Gary	Raleigh,	NC
Aug 24	WJ4P	Randy	Summerville,	SC
Aug 31	(OPEN)			

Thanks to the above folks for offering their time and talents on behalf of the Roundtable.

72,
Paul AA4XX

***** WQ4RP -- "We Quest 4 Reduced Power." --*****

Date: Fri, 01 Aug 1997 20:14:56 -0400
From: Mark Gilger <mgilger@concentric.net>
To: qrp-l@Lehigh.EDU
Subject: [24169] CUSHCRAFT R7000 PROBLEM
Message-ID: <3.0.32.19970801201254.006c07f0@pop3.concentric.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

HAS ANYONE HAD PROBLEMS WITH AN R7000 GOING OUT OF TUNE? I installed a new one several months ago with no problems at all. Had less than 2:1 swr on all my freq.

About a month ago I noticed on 40, 30 & 20 I could no longer get a good match. All connections have been checked and double checked. I've been in communications with Crushcraft and they want me to take it down and re tune it on all bands. I'll be doing that shortly. My concern is why did it take a shift after several months and even if I re tune it, what's to say it won't shift again.

Has anyone else had a similar problem?

Mark WB0IQK #870

Date: Fri, 1 Aug 1997 21:28:23 -0400 (EDT)
From: aa8yo@tir.com (aa8yo)
To: qrp-l@Lehigh.EDU
Subject: [24170] Re: CUSHCRAFT R7000 PROBLEM
Message-ID: <199708020128.VAA03275@tir.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hi Mark,

A friend of mine put up an R7000 a little over a year ago. Everything was fine for about 4 months, when he also started having problems with high SWR, especially on 17 meters. Several calls to Cushcraft resulted in nothing but frustration. Because the problem got worse when it was raining out, Cushcraft said he needed to move the antenna farther away from the roof to avoid "wet roof syndrome" (Cushcraft's term, honest!)

Cushcraft did say that early production R7000's had trap covers that did not seal the traps properly. They changed materials from a sort of opaque to a gray. What is the color of your trap covers? If they are of the early production material, Cushcraft should send you a new set, if you ask them.

It sounds to me like you have gotten moisture in your traps, and that is why your SWR is going bonkers. That was, indeed, the problem that my friend had. As a matter of fact, he ordered a new 15 / 17 meter trap to replace the original unit. Needless to say the old one was soaked when he replaced it.

So, he has a new 15 / 17 meter trap and new trap covers on the remaining traps, and has not had any more problems with high SWR.

Hopefully this information will prove helpful.

73 / 72,
Bob / aa8yo@tir.com
FISTS #3056 QRP-L #1174

>HAS ANYONE HAD PROBLEMS WITH AN R7000 GOING OUT OF TUNE? I installed a new
>one several months ago with no problems at all. Had less than 2:1 swr on
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>match. All connections

>have been checked and double checked. I've been in communications with
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>want me to take it down and re tune it on all bands. I'll be doing that
>shortly. My concern is why

>did it take a shift after several months and even if I re tune it, what's
>to say it won't shift again.

>

>Has anyone else had a similar problem?

>

>Mark WB0IQK #870

>

>

>

Date: Fri, 1 Aug 97 21:47:21 EDT
From: Joel Malman <malman@BBN.COM>
To: qrp-1@Lehigh.EDU
Subject: [24171] Bad QRN !!
Message-ID: <199708020147.VAA80584@nss2.CC.Lehigh.EDU>

New England QRP-1 folks:

Has anyone else noticed that 40 and 30 meters have had bad QRN the last few weeks? There has not been a rain storm, here, near Boston, for a least a month, but the QRN has not ever let up.

I have gone out and checked the antenna, swapped rigs, (ever noticed how an OHR EXP II muffles QRN?), but the QRN never seems to let up.

Maybe it's just a summer thing... But I hope I don't have to wait till fall for the QRN to go away.

/joel wa1qvm (malman@bbn.com ... Concord, Ma.)
WIMPS: Qs=234 30m=216 17m=17 12m=01 States=27/04/00 DX=056/12/01

Date: 01 Aug 1997 19:42:45 GMT
From: mark.milburn@commonlink.com (Mark Milburn)
To: qrp-1@Lehigh.EDU
Subject: [24172] computer files..resolved
Message-ID: <2904071967.2331820@commonlink.com>

Many thanks for all the hints about how to handle a busted file. Some were helpful, some were not, but eventually it helped solve the problem. I learned something, too, along the way.

Thanks again.

72/73 Mark

Date: Fri, 1 Aug 1997 22:04:38 -0400 (EDT)

From: Stephan Greene <sgreene@washesq.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [24173] HW-9 Sold!
Message-ID: <Pine.LNX.3.95.970801220217.20170A-100000@europa.washesq.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Over 2 dozen messages and I'm still getting them!

The HW-9 is sold; thanks guys! (FWIW, if I'd been monitoring my email instead of on the commuter bus, it would have gone in about 30 minutes. Now I know what the receiving end of a pile up feels like.)

The Drake twins & PM2B are probably sold; I'll announce their availability if the situation changes.

73, Steve KA1LM

Stephan A. Greene sgreene@washesq.com
PGP Public Key 0xB96717F5 1996/10/01 at <http://ww2.washesq.com/~sgreene/>

Date: Fri, 1 Aug 1997 22:07:58 -0700
From: n4oln@juno.com
To: mark.milburn@commonlink.com
Cc: qrp-1@Lehigh.EDU
Subject: [24174] Re: computer files..resolved
Message-ID: <19970801.220913.11870.1.n4oln@juno.com>

tell us what you did.
gary-n4oln
I use to be a Bobwhite and a good old Bobwhite too.

Date: Fri, 1 Aug 1997 17:54:09 -0700
From: n4oln@juno.com
To: mark.milburn@commonlink.com
Cc: qrp-1@Lehigh.EDU
Subject: [24175] Re: computer files
Message-ID: <19970801.220913.11870.0.n4oln@juno.com>

you may have a virus. have a virus checker look at it.

gary-n4oln

I use to be a Bobwhite and a good old Bobwhite too.

Date: Fri, 1 Aug 1997 19:16:59 -0700 (PDT)
From: John Moriarity <k6qq@SOCAL.WANet.com>
To: doug@sunrise.alpinet.net
Cc: qrp-1@Lehigh.EDU
Subject: [24176] Re: G4ZPY paddle
Message-ID: <3.0.16.19970801173037.209fac10@SOCAL.WANet.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At 09:25 AM 8/1/97 -0600, you wrote:

>HI John...just a note to ask where to get the ZPY paddles? I'd love to
>have one

Hi Doug,

I ordered mine directly from:

G4ZPY Paddle Keys International
41 Mill Dam Lane, Burscough
Ormskirk, Lancs.,
England L40 7TG
Telephone (0704) 894299

I checked with the international operator and found out when the cheapest time was to call. It turned out to be in the morning here. I called and talked with him and he took my VISA card number.

Good luck and 72,

John, K6QQ

Date: Fri, 1 Aug 1997 22:19:10 -0700
From: n4oln@juno.com
To: qrp-1@Lehigh.EDU
Subject: [24177] ARLB042 W1AW seeks 20 meter bulletin reports
Message-ID: <19970801.222009.11870.4.n4oln@juno.com>

I use to be a Bobwhite and a good old Bobwhite too.

----- Begin forwarded message -----

From: gal@nccmail.attmail.com (Gary Lindemann)

To: n4oln@juno.com

Subject: ARLB042 W1AW seeks 20 meter bulletin reports

Date: Fri, 25 Jul 1997 16:08:27 -0500

Message-ID: <PMX-TERM-2.2a-nccmail-gal-1738>

SB QST @ ARL \$ARLB042

ARLB042 W1AW seeks 20 meter bulletin reports

ZCZC AG42

QST de W1AW

ARRL Bulletin 42 ARLB042

>From ARRL Headquarters

Newington CT July 24, 1997

To all radio amateurs

SB QST ARL ARLB042

ARLB042 W1AW seeks 20 meter bulletin reports

A change has been made to the 20 meter bulletin antennas. W1AW is requesting from amateurs who listen to the 20 meter transmissions send in signal reports. Please note QTH, time of reception, mode, signal strength and quality. Use of the standard RST system is acceptable. Mail your report on a postcard to W1AW, 225 Main Street, Newington, Connecticut, 06111. Email reports may be sent to w1aw@arrl.org. The complete W1AW Operating Schedule appears in July QST, page 83.

NNNN

/EX

----- End forwarded message -----

Date: Fri, 1 Aug 1997 22:16:14 -0700

From: n4oln@juno.com

To: qrp-1@Lehigh.EDU

Subject: [24178] w1aw@arrl.org: ARLD033 DX news

Message-ID: <19970801.221650.11870.3.n4oln@juno.com>

Please notice the last paragragh mentions qrp.

_... . N4oln :-)

----- Begin forwarded message -----

From: w1aw@arrl.org
To: QST@listserv.arrl.org
Subject: ARLD033 DX news
Date: Thu, 31 Jul 1997 15:10:23 EDT
Message-ID: <\$arld033.1997@arrl.org>

SB DX @ ARL \$ARLD033
ARLD033 DX news

ZCZC AE33
QST de W1AW
DX Bulletin 33 ARLD033
>From ARRL Headquarters
Newington CT July 31, 1997
To all radio amateurs

SB DX ARL ARLD033
ARLD033 DX news

This week's bulletin was made possible with info provided by The 599Rpt, Tedd, KB8NW, the OPDX Bulletin, The Daily DX, the DXNL, 425DXnews and Contest Corral from QST. Thanks to all.

MALAWI, 7Q. Eli, IN3VZE, will be QRV as 7Q7CE on 20, 15 and 10 meters from August 2 to 25. QSL to home call.

OMAN, A4. A45XL is active from Masirah Island, IOTA AS-014. QSL via G4VUO.

PAKISTAN, AP. Pakistani stations will use the special prefix AP50 to celebrate their 50th anniversary of independence. There will be a special certificate available. Listen for details by the operators.

JERSEY, GJ. Juergen, GJ/DF30L, is active as a QRP station from St. Saviour. He will be here until August 9. QSL to home call.

GRENADA, J3. IV3ZJR, with IV3NVN and IV3TMV are QRV as J38AH and J38AI, respectively, until August 21. They will put emphasis on the newer bands. QSL via IV3TMV.

SVALBARD, JW. Jack, JWOM, is QRV from the Polish Academy of Science. QSL to PO Box 35, 80-325 Gdansk 37, Poland.

ARUBA, P4. Several Germans will activate P40XM from August 1 to 26. Activity will include the Worked All Europe CW Contest. The operators are DL3XM, DL4LQM, DL5LYM and DL8WAA. They may also go to the Netherlands Antilles and St. Maarten. QSL via DL3XM.

MIDWAY ISLAND, KH4. Ted, NH4/NH6YK, is QRV on 10 and 6 meters. He will be here until August 20. QSL to home call.

EASTERN KIRIBATI, T32. T32Z is QRV and has been found on 15 meters around 0230z. QSL via N7YL.

INDIA, VU. Pai, VU2PAI, will be active as VU2PAI/50 until September 30 to commemorate 50 years of India's independence. QSL to home call.

ZIMBABWE, Z2. Cedric, N9YXA, is part of a communications convoy here and will be QRV as Z2/N9YXA from August 3 to 21. He can be found on 40 to 10 meters. Some RTTY operation is planned as well. QSL to home call.

CALL SIGN CORRECTION. As reported in DX bulletin ARLD031, the call sign of the Hillview Gardens Resort in Eastern Malaysia will be 9M6AAC, not 9M6A.

THIS WEEKEND ON THE RADIO. The ARRL UHF, Ten-Ten International Net Summer Phone and YO DX contests, and the QRP ARCI Summer Daze SSB Sprint are all on tap for this weekend. Please see August QST, page 95 for details.

NNNN

/EX

----- End forwarded message -----

Date: Fri, 1 Aug 1997 22:13:24 -0700
From: n4oln@juno.com
To: malman@BBN.COM
Cc: qrp-1@Lehigh.EDU
Subject: [24179] Re: Bad QRN !!
Message-ID: <19970801.221650.11870.2.n4oln@juno.com>

Yes, the qrn is bad but last night I worked a gent in Italy on 40 meters qro. I know this is a qrp group but once in a while I have to crank up the power. Needless to say I did get thru to Italy thru the noise.
N4OLN-Gary

Date: Fri, 01 Aug 1997 22:40:00 -0700
From: ka8ddz <hynde@flash.net>
To: qrp-1@Lehigh.EDU
Subject: [24180] Clips for chassis - Like those used on 40A
Message-ID: <33E2C830.44F0@flash.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

It's probably under my nose, but where can you get the clips that hold the NorCal 40A chassis together? I have a couple finished hambrew boxes I'd love to use them on.

Thanks, Tim, ka8ddz
hynde@flash.net

Date: Fri, 1 Aug 1997 20:02:03 -0700
From: gsurrency@juno.com (Gary L L Surrency)
To: qrp-1@Lehigh.EDU
Subject: [24181] Re: 38S help!
Message-ID: <19970801.200224.10246.5.gsurrency@juno.com>

David,

I had this happen to mine once. I think it was a bad 74HC240. Replace it and see what happens.

If not, I would check the 8v bus to see if the 7808 is still passing enough current at the proper voltage. Also use a 22 uf tantalum on the input to the 7808 and a 10 uf tantalum on the output. And be sure to bypass the cathode end of D6 with a .01 or .1 uf cap to the ground hole just about the silk screened "1996" on the PCB. You can share the other end of the added bypass cap with the hole D6's cathode lead goes in, if you clean out all the solder in the hole and squeeze the cap and diode leads flat slightly.

Mine will produce 7.2 - 8 watts all day long at 13.8v and the power level never drops off. 12.6 volts gives an easy 5 watts on the gell cell. Output network values I use are: 560pf-1000pf-560 pf, all silver mica. L3 is 12 turns evenly spaced around the entire toroid, and L4 is 11 turns

kinda compressed together on the top half of the toroid.

Good luck!

73,

AB7MY

Gary Surrency

Chandler, AZ (Near Phoenix), QRP-L #571, AZ ScQRPions

Date: Fri, 1 Aug 1997 23:19:53 -0400 (EDT)
From: ARDUJENSKI@aol.com
To: qrp-l@Lehigh.EDU
Subject: [24182] POOR MAN'S SWR
Message-ID: <970801231952_29482760@emout07.mail.aol.com>

I was reading thru a bunch of books on antennas and found a simple SWR indicator for those with a 300 ohm ribbon feedline. The source is PRACTICAL WIRE ANTENNAS by John Heys (G3BDQ) pg84.

It uses a pair of 60 mA lamps connected "back-to-back". If the lamp closest to the transmitter glows normal brilliance and the other lamp does not light or very dimly does, the SWR is less than 2:1.

DESIGN: I will "try" to describe the arrangement. Take a 12" piece of 300 ohm tv line and solder the wires together at each end. At the mid-point of the ribbon cut one of the wires and strip back the insulation about 1/4" on each wire. Each of these wires connect respectively to the case of a lamp. The bottom connection of each bulb is commonly joined. The assembly is laid parallel to the antenna feed line and taped to it. Carefully one of the wires in the 300 ohm feed has a small amount of insulation removed and the wire connecting the common base of the lamps is attached here.

Hope this might be of some value to you back packers...Alan KB7MBI

Date: Fri, 01 Aug 1997 23:21:16 EDT
From: k5zty@juno.com (WILLIAM A STIETENROTH)
To: aplitech@spacestar.net
Cc: qrp-l@Lehigh.EDU
Subject: [24183] Re: S units vs DB
Message-ID: <19970802.031647.5191.2.k5zty@juno.com>

On Fri, 1 Aug 1997 ARDUJENSKI@aol.com wrote:

This also appeared in a number of ARRL Handbooks and Antenna Books during the 1950's and 1960's. I wonder if anyone has ever tried one using LEDs?

Chris

Circuit Design for the
RF Impaired

Chris Trask / N7ZWY
Principal Engineer
ATG Design Services
P.O. Box 25240
Tempe, Arizona 85285-5240

Technical Editor,
QRP Quarterly

'-|)__| :. \ QRP ARCI 9464
| | | | \ '.
c__; c__; '-...'>.__ Email: ctrask@primenet.com

Graphics by Loek Frederiks

Date: Fri, 1 Aug 1997 21:18:41 cdt
From: wj5o@juno.com
To: TENTEN-L@Lehigh.EDU, QRP-L@Lehigh.EDU, crpshams@kf5px.ampr.org
Subject: [24185] new call signs
Message-ID: <19970801.211842.3782.0.WJ50@juno.com>

Howdy! Please pardon the bandwidth---looking for my Grandson's new call.

I can't remember where I found newly assigned calls before---but I would
sure appreciate it if some one would send me the URL where I can find out
the calls issued this week.

TNX & 73 Bill WJ50@juno.com

Date: Fri, 01 Aug 1997 11:40:53
From: Gary M - W2UX <MAIL4GARY@worldnet.att.net>
To: qrp-l@Lehigh.EDU
Subject: [24186] HWA-7-1 cases all gone.
Message-ID: <3.0.1.16.19970801114053.365f30be@postoffice.worldnet.att.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Sorry they are all gone. Thanks

=====
73 / 72 QRP ARCI # 8911
Gary - W2UX QRP-L # 593
Lexington, SC CQC #413
(EX: WA2UAX)
CW is the REAL THING! Use it or lose it.
=====

Date: Sat, 2 Aug 97 0:26:52 EDT
From: Joel Malman <malman@BBN.COM>
To: qrp-l@Lehigh.EDU
Subject: [24187] WTB: SST-20m
Message-ID: <199708020427.AAA34444@nss2.CC.Lehigh.EDU>

=====
WTB: 20 meter SST
=====

Wanted: 20m SST. Must be 100% functional, mounted in a case. KC1/2, keyer, etc, not required or needed. Rig will be used for 'Intro to being a Ham' demo.

Please state price and shipping charges. EMail to: malman@bbm.com
Weekday phone: 617-873-3299 (with voice-mail).

/joel wa1qvm (malman@bbn.com ... Concord, Ma.)
WIMPS: Qs=234 30m=216 17m=17 12m=01 States=27/04/00 DX=056/12/01

Date: Fri, 1 Aug 97 22:44:09 MDT
From: af852@rgfn.epcc.Edu (William R Colbert)
To: qrp-l@Lehigh.EDU
Subject: [24188] surprise!
Message-ID: <9708020444.AA03790@rgfn.epcc.Edu>

I received a large envelope in the mail today and upon opening it, found a beautiful certificate enclosed. the certificate is from Chuck Adams QRP-l#1 indicating one's participation in the annual fox hunt. Thanks Chuck - I appreciate the certificate and am anxiously awaiting the start of the next hunt. Thanks for the certificate, thanks for giving us the opportunity to have fun as a group and maybe learn a bit of patience, and thanks for setting up a real challenge sport? - activity? EVENT.

72/73

Ray

--
Ray Colbert, W5XE
00TC 3618, SOWP 1064M
El Paso, Tx (Far West Texas)

(also: v31xe@dzs.com)

Date: Sat, 2 Aug 1997 00:54:37 -0400 (EDT)
From: Mike Duke <K5xu@cris.com>
To: "Rich Dailey, KA8OKH" <ka8okh@som-uky.campus.mci.net>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [24189] 50/40/30 results de Mississippi
Message-ID: <Pine.SUN.3.96.970802005009.15439B-100000@mariner.cris.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Don't feel too bad about missing 40, Rich. I was there from approximately 0200 - 0300, and only pulled out 2 qsos - kt3a - PA, and KS4HQ - NC.

As I stated earlier in the week, my new 30 meter OHR-100 didn't get completed in time.

Maybe we can have a free-for-all or catch-up night later in August.

Despite the poor conditions last evening, qrp is fun! It beats qrt from my apartment any day!

72/73,
Mike

AMATEUR RADIO STATION K 5 X U
Jackson, Mississippi

Date: Sat, 2 Aug 1997 01:16:45 -0400 (EDT)
From: Mike Duke <K5xu@cris.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [24190] MY ENCOUNTER WITH K3ETS
Message-ID: <Pine.SUN.3.96.970802011144.2145A-100000@galileo.cris.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Not long after joining this list, I answered a request from Dennis to schedule a was qso from Mississippi. We established a sked on 20 and 40 for Thanksgiving morning of last year.

Failing to make it on 20, he phoned me just as I was moving to 40.

After chatting a bit over the phone and listening to each other's signal in like manner, he said: "Did you know that you are no longer WB5ADC?"

That's how I learned that I had become K5XU.
72/73, Dennis.

Mike

AMATEUR RADIO STATION K 5 X U
Jackson, Mississippi

Date: Sat, 2 Aug 1997 01:49:21 -0400 (EDT)
From: Mike Duke <K5xu@cris.com>
To: Chris Trask <ctrask@primenet.com>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [24191] Re: Railroad Tracks?
Message-ID: <Pine.SUN.3.96.970802014339.2145B-1000000@galileo.cris.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

These posts remind me of one of the "tales" from my cb days in the mid 60s. Some of the guys claimed to carry a heavy wire and strong clip in their automobiles specifically to ground their car to the tracks when desiring to "get out!"

I never knew anyone personally who actually did it, althouth I did know one guy who drove a station wagon and carried around a 20 ft push-up and a 5/8 wave antenna. He called it his "secret weapon."

Now days, we have no imagination; we just worry about kids on two meters!

Mike
AMATEUR RADIO STATION K 5 X U
Jackson, Mississippi

Date: Sat, 2 Aug 1997 03:15:23 -0400 (EDT)
From: ROYGREGSON@aol.com
To: qrp-1@Lehigh.EDU

Subject: [24192] AOL & Junk Mail !

Message-ID: <970802031522_-1639167451@emout03.mail.aol.com>

Hi Gang....Had one complaint about my AOL problem not being QRP-L related, which is correct, so am going to bite the bullet and change servers to someone local.

So lets please not have any more threads about AOL problems from the many that responded. Send to me direct, not to the group !

BUT...while I have your attention, I have been getting lots of junk mail mostly sexually oriented. From what I've read on this net, so have many others. (NOT QRP-L RELATED) With all the computer brains we have on this here qrp-l group, isn't there someone out there that can come up with a software program that would allow me to just hit a key and send the junk mail back to the originator, lets say 1000 times over to start ! I know, I know it can work both ways. Maybe there is a way we could ask them nicely to leave off the QRP-L address ?

72's/73's Roy

Date: Sat, 2 Aug 1997 10:15:42 +0100

From: adams@chuck.dallas.sgi.com (Chuck Adams)

To: qrp-l@Lehigh.EDU

Subject: [24193] Junk Mail

Message-ID: <199708020915.KAA12479@chuck.dallas.sgi.com>

Gang,

I know it is not QRP related, but some people keep bringing it up.

Here is what is happening. We live in the 'Internet Age/Information Age' now. If you post to any group, especially where the information is later captured and redistributed to a web site, then you are subject to email attacks of all kinds. Your email address then is 'on the web' and people now have programs that search all the sites, accumulate them, and then email out all kinds of advertising for contractors, get-rich schemes, and just plain junk email.

There is not a thing that we can do about it and there is no need for

any discussion what so ever. It is like joining a mail order record/CD club. You wind up on a lot of mailing lists and your mail box fills up.

The junk mail is not coming from this group. It is not being passed through this group and in fact, your email address may have been gotten from some other location and someone may be collecting email addresses from 'web visits', so just be careful out there.

At Tuthill I showed the following stats:

YEAR	LINES	POSTS	STORAGE
1993	130,316	4,128	4.837MB
1994	270,412	8,790	10.397MB
1995	466,620	12,357	20.590MB
1996	851,278	20,743	39.567MB
1997*	686,168	15,735	29.789MB

* about July 20th date

We gotta get you guys and girls to quit copying previous posts in your posts. You are just adding to the noise level and the number of lines. Also it would help a lot if some of you would reduce your signature file to just a few lines.

And here are the stats on the foxhunts:

1994	---	441 Postings	141 Q's
1995	---	672 Postings	914 Q's
1996	---	1270 Postings	2,131 Q's

Looks like the goal of generating more activity seems to be working. As I mentioned in the Ft Tuthill talk my only concern now is the increased interference during such operations. Time will tell.

Glad that people are liking the certificates. Took me some time to get the process automated the way I wanted it. Fairly expensive process to do 380 certificates so asking \$1 contribution where people can afford it. It determines whether there will be repeat business.

FYI

Chuck Adams K5FO CP-60 adams@sgi.com

<http://reality.sgi.com/adams/index.html>

K5FO's online Morse Code course --- see the home page

WIMPS: Qs=049 30m=35 17m=5 12m=0 States=24/05/00 DX=03/00/00 QSLs=016

Date: Sat, 2 Aug 1997 08:26:47 -0400 (EDT)
From: DYARNES@aol.com
To: qrp-1@Lehigh.EDU
Subject: [24194] Colorado QRPers
Message-ID: <970802082647_-222241284@emout19.mail.aol.com>

Hi Gang,

I'm in Denver this weekend, and wondered if the CQC group (or any other Denver area hams) have any kind of formal or informal get together on Saturday. I know it's kind of late to be asking, but just didn't have a chance to do so before now. I'm staying out in what is called the "Denver Tech Center" area at the Hyatt, so don't know if I'm really that close or not to where the action might be.

The people here are sick of rain, and it's no wonder when you read about what happened to the folks up in Ft. Collins.

72 de David W7AQK

Date: Sat, 2 Aug 1997 09:18:51 -0400 (EDT)
From: ARDUJENSKI@aol.com
To: malman@bbn.com, owner-qrp-1@Lehigh.EDU, qrp-1@Lehigh.EDU
Subject: [24195] Re: Bad QRN !!
Message-ID: <970802091848_-937948742@emout07.mail.aol.com>

Joel,

It is in WA also. First I blamed those dimmer switches, then lept checking to see if the girls were using hair dryers, Neighbors, must be the neighbors using welding equipment or something....notta one of these. Went from ladder line to coax...notta. But what I notice that is really amazing is that there are times when it may suddenly seem to just quiet down...like some one turned off something. As quickly as it left it comes back. I am using battery so it is not line noise. Switched back and forth between horizontal and vertical antennas. Vastly improved the ground system...notta.....STILL THERE...alan KB7MBI

Date: Sat, 02 Aug 1997 10:07:09 -0400 (EDT)
From: n4js@amsat.org
To: malman@bbn.com

Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [24196] RE: Bad QRN !!
Message-ID: <XFMail.970802100855.n4js@amsat.org>
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 8bit
MIME-Version: 1.0

On 01-Aug-97 Joel Malman typed:

>New England QRP-l folks:

>

>Has anyone else noticed that 40 and 30 meters have had bad QRN the last few
>weeks? There has not been a rain storm, here, near Boston, for a least a
>month, but the QRN has not ever let up.

>

Not just a New England thing. I was listening to IT9AUP/IE9 work a pileup on
30M last night. Went to look at the radar on the Weather Channel, the QRN
sounded like a storm was imminent. Nothing around, though.

Sent at 10:08:55 on 02-Aug-97

John L. Sielke n4js@amsat.org n4js@pobox.com
n4js@qsl.net NJ Grid:FM29LN
http://www.qsl.net/n4js NJ-QRP #57 QRP-L #884
QRP-ARCI #9328 CQC #443 CQrp #50
NE-QRP #507 G-QRP #9544 NorCal #1989 QCWA FISTS #2781 ARS #243
WIMPS Qs=029 30m=26 17m=3 12m=0 States=09/02/00 Countries=15/02/00

Date: Sat, 2 Aug 1997 10:26:46 +0000
From: "Jeff Casey" <WB5GWB@sprynet.com>
To: QRP-L@Lehigh.EDU
Subject: [24197] Long Island QRP Club needs help
Message-ID: <199708021427.HAA02489@m7.sprynet.com>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT

Gang,

Please help us get the word out about our fledgling group, the Long
Island QRP Club. If you work any Long Island or New York City
area QRPers (or ops with interest in QRP), please tell them about
LIQRP. (For those who don't know, Long Island is about 20 miles
wide and 130 miles long, and extends east from New York City.
There's something like 3 million folks out here.)

Have them contact me via email at:
WB5GWB@sprynet.com or via the callbook.

Also, no matter where you live, you can subscribe to the LIQRP
listserver by sending an email to:
listserver@waterw.com
The message body should consist of only one line, exactly as follows:
subscribe liqrp

To send an email message to all LIQRP list subscribers, address it
to: liqrp@waterw.com (You may want to send a test message to
introduce yourself to the group and to verify that the listserver is
working for you.)

BTW, I'd like to publicly thank LIQRP'er George Heron, N2APB, of NJQRP
fame, for setting up and managing this new listserver for us. Also,
many thanks to our ISP host, Bob Applegate, K2UT, for the use of his
server and resources.

Finally, you can visit the LIQRP webpage at:
<http://www.hamtrader.com/liqrp/index.htm>

LIQRP is modeled after NorCal and most of the other regional QRP
clubs -- we have no dues, no officers, and no bylaws, but lots of
good QRP fellowship. Membership in LIQRP is, of course, free to
all. Anyone can join by emailing me with your name, callsign,
email address, and snail mail address. You can also join via the
webpage. Unfortunately, membership will not get you a newsletter,
cuz we don't have one. So I suggest that you subscribe to the email
listserver to keep up with what's happening.

I ask for your help in getting the word out about LIQRP, because it's
been a bit hard to get in contact with interested people in our area
who are not on QRP-L (especially since we have no mailing budget, and
only a small number of "core" members to help out :-)

Now, here's how your sales commission will work ;-) :-)

. . .

This fall, we'll begin assigning Official LIQRP Membership Numbers.
THE PERSON WHO GIVES US THE MOST REFERRALS (deadline to be announced)
WILL GET THE LOWEST MEMBERSHIP NUMBER (1,2,3,...,?)! Others
will be assigned subsequent numbers in order of number of referrals.
Why, you'll get a two-digit number, maybe even a one-digit number!!
What other club offers you this much parsimony at such a low price
(i.e., \$0.00)??? (The only slight caveat is that people who have
physically attended our meetings will get the first few numbers --
sorry but I've got dibs on LIQRP #1 ;-)

So be tellin' them Long Island and NYC ops to tell me that you sent

'em! :-)

Thanks in advance for your support!

72 & 73,
Jeff

Jeff T. Casey / WB5GWB / Long Island, NY
ARRL / ARS / LIQRP #1 / NJQRP #72 / NorCal / QRP ARCI / QRP-L

"The Long Island QRP Club -- Low Power Amateur Radio at its FUNest"
Next Meeting: Sat., Aug. 23

Date: Sat, 2 Aug 1997 10:37:52 +0000
From: "Jeff Casey" <WB5GWB@sprynet.com>
To: QRP-L@Lehigh.EDU
Subject: [24198] "Ambassadors" for regional QRP clubs
Message-ID: <199708021438.HAA03388@m7.sprynet.com>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT

Gang,
Here's a thought: If each of us kept a list of all of the local/regional QRP clubs and contact persons at our operating positions, we could all serve as "ambassadors" for all of the regional clubs. I'm sure we all have worked ops who are interested in QRP, but do not know that there is an active QRP club right in their town.

(Chuck, I know that you're compiling such a list, and I regret to say that, due to my own dropping of the ball, the Long Island QRP Club is not yet represented on it. I'll send you the info shortly. Thanks!)

73 & 72,
Jeff

Jeff T. Casey / WB5GWB / Long Island, NY
ARRL / ARS / LIQRP / NJQRP #72 / NorCal / QRP ARCI / QRP-L

Date: Sat, 2 Aug 1997 10:05:08 -0500

From: "ukii" <ukii@megsinet.net>
To: <qrp-1@Lehigh.EDU>
Subject: [24199] SST- are they really gone?
Message-ID: <m0Wufk0-003u7EC@megsinet.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Hello.

Are the SST's really gone? I cant beleive I missed the boat on this one.
Guess someone is trying to tell me to get my 38s workin first before
I attempt another "feat of destruction".
Guess that extra 38special must be ordered now!
73 de john
n9ukx
(anyone get a 38s on 20mtrs or 15????)

Date: Sat, 02 Aug 97 10:55:41 -0500
From: Larry Trullinger <kb0emb@swbell.net>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [24200] MFJ 969 tuner
Message-ID: <199708021548.KAA09253@SWBELL.net>

-- [From: Larry Trullinger * EMC.Ver #2.5.02] --

Anyone else on the list have one of these? If so, is there an 'easy' way to
tune it when switching antennas? 'Easy' being less than 2-3 minutes of
hunting for just the right position.

Mine works great after spending lots of time tuning it. Having owned an MFJ
901B for many years, it just tunes right in. (5 secs) However the 969 seems
to be a MUCH higher Q. Both capacitors and inductor are very sensitive to
adjustment, a slight movement of either and the SWR meter is off the scale.
Have used my MFJ 259 and three different rigs to tune with the same results.
It does seem to match virtually anything when finally adjusted.

Thanks for any helpful advice.

72/73 kb0emb Larry

Date: Sat, 2 Aug 1997 11:26:04 -0500 (CDT)
From: Raventhorne <jelder@ix.netcom.com>

To: adams@chuck.dallas.sgi.com, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [24201] Re: Junk Mail
Message-ID: <2.2.16.19970802092552.383f7b4e@popd.ix.netcom.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At 10:15 AM 8/2/1997 +0100, Chuck Adams wrote:

>Glad that people are liking the certificates. Took me some time
>to get the process automated the way I wanted it. Fairly expensive
>process to do 380 certificates so asking \$1 contribution where people
>can afford it. It determines whether there will be repeat business.

Although I didn't participate in the fox hunt, here's my \$.02 worth:

I hate spending 0.32 to send somebody 1.00. How about designating a QRP
"charity" to receive the extra if people send you more than a buck?

72,

John

@~~~

@ John Elder, Ko6TS

@ PHROG (Pagan Ham Radio Operators' Guild)

@ Box 232, El Segundo, CA 90245

@ Does a psychologist eat his Jung? How does his inner child feel about this?

Date: Sat, 02 Aug 1997 16:43:45 +0100
From: "Brian K. Short" <shortckt@primenet.com>
To: qrp-1@Lehigh.EDU
Cc: azqrp@dancris.com
Subject: [24202] Bucketeteers CW Team Forming
Message-ID: <3.0.1.32.19970802164345.006a96d8@mailhost.primenet.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

NAQP CW Team "The (Bit)Bucketeteers"

1. K7ON	"Brian"	Az	k7on@qsl.net
2. IK0HBN	"Sante"	It	ik0hbn@isa.it
3. N8YYS	"Roy"	Wv	n8yys@juno.com

"Let's Rock!"

-Brian
shortckt@primenet.com

With whom do we need to register and are there 2 more
to join us (quickly)?

Brian Short k7on@qsl.net <http://www.qsl.net/k7on>
1994 E Laguna Dr Tempe, Az 85282 (602)839-3484

Date: Sat, 2 Aug 1997 09:56:29 -0700
From: n5inz@juno.com (John M Andrews)
To: qrp-1@Lehigh.EDU
Subject: [24203] Micrometals.....
Message-ID: <19970802.095635.12382.0.N5INZ@juno.com>

While on a short visit to Anaheim dropped in on Micrometals and came away
with 2 nifty books:

RF Applications
Issue F September, 1996

Q Curves
for iron powder cores
("A design and application supplement to catalog 3")

I assume "catalog 3" is the first book, not stated. Both contain heaps of
info
on cores. As many of you know, Micrometals supplies cores to Amidon and
the numbering system appears to be identical.

Micrometals
5615 E. La Palma
Anaheim, Ca. 92807

`1 800 356 5977

5-6 miles from Disneyland.

Usual disclaimers & FWIW
72, John-N5INZ

Date: Sat, 2 Aug 1997 13:05:44 -0400 (EDT)
From: x5m7v7wl@coastalnet.com
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [24204] Re: FOR SALE
Message-ID: <1.5.4.16.19970726120209.14876276@abaco.coastalnet.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hi Gang, got stood up so still have 2 items for sale. Sherwood 600 hz. 1st I.F. crystal filter for a Drake R4-C receiver (\$55 shipped) and the TenTec Century 21 @ \$165 shipped.

73 Roy

Date: Sat, 2 Aug 1997 17:37:53 +0000
From: Bob Roach <KE4QOK@worldnet.att.net>
To: CBAILEY@PAMDT.ANG.AF.MIL
Cc: qrp-1@Lehigh.EDU
Subject: [24205] Re: Railroad Tracks?
Message-ID: <19970802173750.AAA14181@LOCALNAME>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At 06:59 PM 8/1/97 +0000, you wrote:

>I have access to a site for portable operations.
>There is a local line rail service running along side of it.
>My question is could the tracks be used safely for a ground?
>Is there RF on the rails?
>What voltages may exist?
>I'm thinking of a clip underneath the track.

I think this is definitely a bad move. You would be trespassing to start off with which may or may not cause grief, but the worst problem is that if ANYTHING goes wrong you will become a prime suspect for sabotage/terrorism/whatever the local authorities wish to say. If this seems far fetched, don't be misled. We have had two major derailments here in the last couple of years one of which was an act of sabotage which derailed an AMTRAC train seriously injuring many people. The first people that got rounded up were the people who had been seen around the track and it wasn't good enough just have a logical explanation of why they were there. Each one was a suspect and subject to all the bad press that goes along with a full investigation. On top of all of that if you escape prosecution you may still lose your butt in a civil suit of some kind (see O.J.Simpson).

Now for the technical side. I'm a little less versed on this but I believe that the tracks carry some voltage/signals to operate the block and crossing signals. If you were to inadvertantly interfere with the proper operation of this equipmentsee paragraph 1.

Sorry to rain on the picnic but I'd hate to read about you on the front page of the newspaper for something other than a major accomplishment is Amatuer Radio.

(o o)

_____o00_()_00o_____

73 es TNX Advanced, W5YI VE, ARRL Member 136 Hermitage Road
KE4QOK KE4QOK@worldnet.att.net Newport News, VA 23606
Bob ke4qok@juno.com (757)930-0348

Date: Sat, 02 Aug 1997 12:39:36 -0700
From: The Boices <boice@bigfoot.com>
To: qrp-1@Lehigh.EDU
Subject: [24206] Spokane hamfest bound
Message-ID: <1.5.4.32.19970802193936.0068e2ac@popd.ix.netcom.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Well, I'm about out the door on my way to the Spokane hamfest (Eastern WA ARRL convention, too, I believe). It's a 2.5 hour drive up there, so will still have a couple hours or so to browse around. I plan on heading off in one direction or another to go camping & portable QRPing for the night, then possibly return to the hamfest if something interesting caught my eye or is planned. For those unfamiliar with the region, Spokane is about 20 or 30 miles in from the Idaho border, across from Coeur d'Alene, so I may end up camping in Idaho or Washington.

I never heard anything more on QRP-specific activities there, so I'm going in "blind." If something is planned (and someone reading this is one of the organizers), make sure you advertise it somehow. A sign by the entrance would be good enough to catch my eye.

Anyway - hope to meet some of you there!

73,
mike KD0FX
Richland WA

Date: Sat, 2 Aug 1997 16:02:54 -0400 (EDT)
From: W1LP@aol.com
To: qrp-1@Lehigh.EDU
Subject: [24207] SST Mods requested
Message-ID: <970802160253_-488168545@emout02.mail.aol.com>

Whoever had the compilation of SST mods, could you please forward them to me also....

Tnx in advance - 72, Clint W 1 Low Power

Date: Sat, 02 Aug 1997 16:18:48 -0400 (EDT)
From: n4js@amsat.org
To: qrp-1@Lehigh.EDU
Subject: [24208] 38S on the Air!
Message-ID: <XFMail.970802162415.n4js@amsat.org>
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 8bit
MIME-Version: 1.0

OK, so it's not a big deal. I am one of the last to get his 38S on, BUT:

I gotta brag about this. I built it with most of the mods from QRPP, and of course RIT, TiCK and 5W mod. It WORKED, right away. (I even built it with 2 less turns on T1, so it tuned right away! Only thing I had to do, it tuned 10.089-10.109. I added a trimmer in series with L1, and set it up for 10.100-10.114. Adjusting TC2 REALLY does make a difference in the QUALITY not QUANTITY of output. Got 3.8 CLEAN watts out. Called first station I heard calling CQ (WQ9H in Ft. Wayne), got a 559 report.

It is a thing of beauty, in it's Custom Enclosure, brushed aluminum knobs, etc. Check out my web page tomorrow, and I should have pictures posted.

end brag

Sent at 16:24:15 on 02-Aug-97

John L. Sielke	n4js@amsat.org	n4js@pobox.com
n4js@qsl.net	NJ Grid:FM29LN	
http://www.qsl.net/n4js		
NJ-QRP	#57	QRP-L #884
QRP-ARCI	#9328	CQC #443
CQrp	#50	
NE-QRP	#507	G-QRP #9544
NorCal	#1989	QCWA FISTS #2781
ARS	#243	

WIMPS Qs=029 30m=26 17m=3 12m=0 States=09/02/00 Countries=15/02/00

Date: Sat, 02 Aug 1997 16:33:04 EDT
From: w4bws@juno.com (Donald E Sanders)
To: mgilger@concentric.net
Cc: qrp-1@Lehigh.EDU
Subject: [24209] Re: CUSHCRAFT R7000 PROBLEM
Message-ID: <19970802.164637.12079.0.W4BWS@juno.com>

A local ham had his go out twice in a period of 6 months. He had to replace the 20 meter traps I believe to get his going . He said his SWR suddenly went high, and I know he replaced the black matching box the last time.

Don W4BWS

On Fri, 01 Aug 1997 20:14:56 -0400 Mark Gilger <mgilger@concentric.net> writes:

>HAS ANYONE HAD PROBLEMS WITH AN R7000 GOING OUT OF TUNE?

> Had less than 2:1 swr on all my freq.

>About a month ago I noticed on 40, 30 & 20 I could no longer get a good match.

My concern is why did it take a shift after several months and even if I re tune it,

>what's

>to say it won't shift again.

>Has anyone else had a similar problem?

>

>Mark WB0IQK #870

>

>

Date: Sat, 2 Aug 1997 13:53:40 -0700 (PDT)
From: Alan Kaul <kaul@netcom.com>
To: DYARNES@aol.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [24210] Re: Colorado QRPers
Message-ID: <Pine.3.89.9708021302.A19362-01000000@netcom8>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I'm going to be in Denver Sunday night, too. Be there on business for a few days and also staying at the Hyatt!! Ought to be good for an eyeball QSO (even if we don't live in the neighborhood).

Plans for dinner??????

73/72 de alan w6rcl soon to be /0!

[<Alan Kaul, W6RCL>] kaul@netcom.com

Date: Sat, 02 Aug 1997 17:29:14 -0400
From: Cleve Irby <cirby@bellsouth.net>
To: qrp-l@Lehigh.EDU
Subject: [24211] Code course
Message-ID: <33E3A6A9.1C4E7775@bellsouth.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I think it was here that I read it. Someone put together a CW course using the ARRL Intro to Morse CD. I lost the info, so if someone wud be kind enuf to forward the address of this person to me. I thank you in advance.

73, de Cleve NV40

Date: Sat, 02 Aug 1997 17:24:13 -0400 (EDT)
From: n4js@amsat.org
To: qrp-l@Lehigh.EDU
Subject: [24212] More 38S brag
Message-ID: <XFMail.970802172637.n4js@amsat.org>
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 8bit
MIME-Version: 1.0

Second QSO with 38S...HB9CIP.

BTW, what is this "thump" I read about? I don't notice any in my 38S. Just lucky?

Sent at 17:26:37 on 02-Aug-97

- - - - - John L. Sielke n4js@amsat.org n4js@pobox.com

| \ | | | | _ | | / _ _ | n4js@qsl.net NJ Grid:FM29LN
| . ' | | _ _ | | | | \ _ _ \ http://www.qsl.net/n4js NJ-QRP #57 QRP-L #884
| _ | \ | | _ | \ _ _ / | _ _ / QRP-ARCI #9328 CQC #443 CQrp #50
NE-QRP #507 G-QRP #9544 NorCal #1989 QCWA FISTS #2781 ARS #243
WIMPS Qs=031 30m=28 17m=3 12m=0 States=09/02/00 Countries=16/02/00

Date: Sat, 02 Aug 1997 17:49:37 EDT
From: kb0rol@juno.com (Bradley L Mugleston)
To: kenwood@qsl.net
Cc: qrp-l@Lehigh.EDU
Subject: [24213] HELP
Message-ID: <19970802.142901.7727.0.kb0rol@juno.com>

Help,

I just installed a YG-455C filer in my TS-830S (It already has the YK-88C). I moved the Jumper to CW4 and tried it out. During tune up into a dummy load the SWR was at infinity - I changed cables between dummy load/meter and same problem. I changed dummy loads, no change. I checked dummy load/meter/wires with my meter and 50 ohms, SWR 1:1.

Anyone experience this? Did I blow something or could my filter be bad? I'm going to pull the filter later tonight to see if all goes back to normal.

Please help, my son is up camping and will be back Monday late - its his radio 8-(and I don't want a moody 15 year old on my hands if I can avoid it.

Also, if I can use my tuner to get it into alinement can I go ahead or is there something else probably wrong?

de KB0ROL, Brad

Date: Sat, 02 Aug 1997 17:52:42 EDT
From: n4so@juno.com (charles k brown)
To: qrp-l@Lehigh.EDU
Subject: [24214] SST Mods
Message-ID: <19970802.045107.4391.27.n4so@juno.com>

A compiled text file on SST Mods is here.

Ask for SST mod file. Approx. 16,000 bytes long.
from: n4so@juno.com

Also about 4 files on the LM386 noise reduction.

Ken Brown, N4SO
QTH nr Mobile, AL/ EM50tk
qrp-1 #622
n4so@juno.com

Date: Sat, 2 Aug 1997 16:11:05 -0600
From: Paul Harden <pharden@aoc.nrao.edu>
To: qrp-1@Lehigh.EDU
Subject: [24215] CONTACT's 100 Jansky's/dBm's (long)
Message-ID: <199708022211.QAA29569@zia.aoc.nrao.edu>

In the movie CONTACT, there are a couple of references to the received signals being "100 Jansky's." I have had several emails asking about this, and thought I'd pass it on to QRP-L, for those also interested.

QUICK, SWEET AND SIMPLE ANSWER ...

A "Jansky" (abbreviated Jy) is a unit of measuring received power at radio telescopes, named after Karl Jansky, who made the serendipitous discovery that radio waves comes from space in 1932.

$$1\text{Jy} = 1 \times 10^{-26} \text{ watts} = 1 \times 10^{-23} \text{ mW} = -230 \text{ dBm} \quad (\text{since } 1\text{mW}=0\text{dBm})$$

and, Ellie's "100 Jansky" alien signal would then be

$$100\text{Jy} = 100 \times 10^{-26} \text{ watts} = 1 \times 10^{-21} \text{ mW} = -210 \text{ dBm}$$

A LITTLE MORE DETAIL ...

Believe it or not, at a radio telescope such as the VLA or VLBA, a 100Jy signal would be VERY strong. In fact, a 1Jy signal is considered strong. A single VLA antenna is capable of detecting down to about 4mJy (milli-Jy) at our most optimum wavelengths. Astronomers use Jansky's to convert the power of the source at the antenna to temperature in degrees K. Each radio telescope is calibrated such that a 1Jy change in signal equals nn degree change in Kelvins. Then by subtracting out system temperature, antenna temperature, and heating effects of our atmosphere, the actual temperature of the incoming signal can be determined. Then by knowing the

distance from the antenna to the source (in our case, in light years!), the surface temperature of the source can be determined. This enables astronomers to determine the physical and chemical processes that are occurring at the source ... say a star or supernova remnant. That's how they come up with the Crab Nebula being a mere 30,000 deg. K at the core, even though the received power is around 200mJy. (-240dBm).

Back to Ellie ... since a 100Jy signal is so strong, it would have likely been detected by half the radio telescopes on earth within hours, an IAU telegram issued so the other half could observe it within 24 hours. In the real world of radio astronomy ... that makes Ellie about the luckiest astronomer on earth just to have been the one to hear it first! (Aaah, details, details. Sorry, Jodie). Of course, that does give Ellie publication rights. (You know, publish or perish).

AND EVEN STILL MORE INFO FOR THE JANSKY NEOPHYTE ...
(Hit DELETE key here if you're getting bored)

Since every radio telescope is different by having different sizes of dishes (effective aperture, A_e), different half-power beam widths, pre-detection bandwidths, system temperatures, etc., Jansky's are actually converted into a normalized power, abbreviated S_ν , for flux density. This ensures that the power you received is properly adjusted for the actual antenna and system you are using, so observatories all over the world can observe the same source and come up with the same value for Jy or deg. K., in spite of whether you're using a 10M dish or 100M dish.

Since Ellie used the VLA (and I just happen to know the VLA antenna performance specs), it kinda boils down to this.

$$\begin{aligned} dT_{\min} &= T_{\text{sys}} / \sqrt{\text{Bandwidth} \times \text{integration time}} \\ &= 300 \text{ deg. K} / \sqrt{(10\text{MHz} \times 10 \text{ seconds})} = 0.03 \text{ deg. K} \end{aligned}$$

Or, a single VLA antenna can resolve a change in temperature of 0.03K

$$\begin{aligned} dS_{\min} &= dT_{\min} (2k/A_e) = .03 \text{ deg K} \times (2.76 \times 10^{-23} / 250 \text{ sq. meters}) \\ &= .033 \times 10^{-26} \text{ watts} = 3.3 \text{ mJy} = -254 \text{ dBm} \end{aligned}$$

Or, a single VLA antenna can resolve a 3.3mJy signal (4mJy accepted value).

where, $k = 1.38 \times 10^{-23}$ (Boltzmann's constant)
 A_e = effective aperture of VLA antenna, = 250 square meters

Detecting such a weak signal (what, you don't call -250dBm weak?) is possible, not only to the large dish size (VLA = 88 ft. diameter), but because we integrate the received noise power over a large bandwidth and for a long period of time. Our pre-detection bandwidth is 50MHz, although I used 10MHz above, since that would be more typical for the type of

signal Ellie was trying to find (narrow banded carrier type). 10 seconds is the default integration time of the VLA.

However, in CONTACT, this cute alien audio signal was heard in the control room speakers ... implying a much narrower bandwidth (probably 2MHz to include the video bandwidth of "Hilter") and a very fast integration time to process the audio, probably 0.01 seconds. (Audio integrated over 10 seconds would be a DC voltage). Under these constraints, Ellie's 100Jy signal would actually be MUCH stronger,

$$\begin{aligned} W &= \pi \cdot A_e \cdot S_o \cdot BW && \text{(to determine received power in Watts from the} \\ &&& \text{flux density, } S_o, \text{ for a given antenna)} \\ &= 3.14 \cdot 250\text{m} \cdot 1 \times 10^{EE-24} \text{Watts} \cdot 2\text{MHz bandwidth} && \text{(for VLA/CONTACT conditions)} \\ &= 1.6 \times 10^{EE-15} \text{W} = 1.6 \times 10^{EE-12} \text{mW} = -118\text{dBm} \end{aligned}$$

where, S_o is power for 100Jy.

And if she had used say a 10KHz bandwidth just for the audio portion,

$$\begin{aligned} W &= 3.14 \cdot 250\text{m} \cdot 1 \times 10^{EE-24} \text{W} \cdot 10 \text{ KHz BW} \\ &= 7.9 \times 10^{EE-18} \text{W} = 7.9 \times 10^{EE-15} \text{mW} = -141\text{dBm} \end{aligned}$$

Now that's getting STRONG.

And say YOU were trying to hear Ellie's 100Jy signal in your back yard on your dipole (the effective aperature for a dipole is 3 sq. meters)

$$\begin{aligned} W &= 3.14 \cdot 3 \cdot 1 \times 10^{EE-24} \text{W} \cdot 3\text{KHz BW} \\ &= 3 \times 10^{EE-20} \text{ watts} = 3 \times 10^{EE-17} \text{mW} = -165 \text{ dBm} \end{aligned}$$

But, if you could increase your antenna gain by 20dB or so and a 10dB front end RF amplifier, YOU COULD HAVE DETECTED ELLIE'S 100JY SIGNAL IN YOUR OWN BACK YARD WITH AN NC40, 38S, SST, SIERRA, etc.

And you thought this had nothing to do with QRP!

And since I'm using the observatory's computer to send this post to QRP-L, I feel it only fair to point out that the VLA does **not** do any SETI work. >From the above, it should be obvious that to detect a SETI signal, you would have to be on the exact frequency, a very narrow bandwidth and almost instantaneous integration time ... none of which the VLA is physically capable of doing. A rerun of "I Love Lucy" would be integrated into DC by our correlators and integrators.

ObQRP: What, you don't call -250dBm signals QRP?

This moment of insanity brought to you by ...
Paul NA5N

whoooooop whoooooop (dit dit through an integrator, Chuck)

Date: Sat, 2 Aug 1997 16:13:28 -0600 (MDT)
From: "Thomas J. Whalen" <whalen@swcp.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [24216] Spider antenna F.S.
Message-ID: <Pine.SUN.3.91.970802160753.612A-1000000@kitsune.swcp.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hello QRPers, I traded for a Spider mobile antenna with all the coils(8). It works, but I like the "old bugcather" better. Im willing to sell or trade this antenna for a qrp rig. The antenna has hardly been used and is in mint conx. Not sure what to ask for it, advertisement in QST does not disclose the price. Antenna will cover 80,40,30,20,17,15,12,10,6 meters. Sorry.....no 160!!! 72, Tom WB5QYT Albuquerque NM 505-237-2005

End of QRP-L Digest 806
